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 TI Aerobic stabilization of organic sludges
 IN Apro, Istvan; Benedek, Pal; Czepek, Gyula; Farkas, Peter; Mucsy, Gyorgy;
 Olah, Jozsef; Torocsik, Ferenc
 PA Vizgazdalkodasi Tudomanyos Kutato Kozpont, Hung.; Keletmagyarorszag
 Vizugyi Tervezo Vallalat
 SO Hung. Teljes, 7 pp.
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 IC C02F003-12; C02F011-00
 CC 60-5 (Waste Treatment and Disposal)
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PI HU 31027	O	19840428	HU 1982-606	19820301
HU 188572	B	19860428		
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CLASS
 PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES

HU 31027 IC C02F003-12IC C02F011-00

AB Sludge is aerated in an aeration basin for 8-12 days using a conventional aeration unit. The sludge is dewatered after mixing with perlite or fly ash. Metal salts with valencies 2 and 3 (e.g., Fe²⁺, Ca²⁺, Al³⁺) are added and the pH is adjusted to 8.3-8.5 with lime. Washing water of equal or larger volume of the sludge is added and the treated sludge is thickened. Part of the thickened sludge is recirculated to the aeration basin and the remainder of the sludge is dewatered. The decanted sludge water is introduced into an activated-sludge basin.

ST aerobic stabilization org sludge

IT Perlite

RL: PROC (Process)

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teach dewatering sludge
with fly ash